Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: **Improvements to Roads & Drains at Mathrushri layout in 5th cross roas L/s & R/s, in Ward no. 13, in Shettyhalli Sub-Division**

Est .Cost Rs. 10.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2013-14	Cum							
	5th cross Mathrushri layout L/s & R/s		2	125.00	0.50	0.50	62.50		
	Culverts		2	5.00	2.00	1.20	24.00		
							86.50	124.02	**10728.00**
	Basic Rate	117.00							
	Area Weightage 6%	7.02							
	Total	124.02							
2	KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 152/ Item No. 19.1/ PWD SR 2013-14	Cum							
	For Road side		2	125.00	0.30	0.30	22.50		
	For Building side		2	125.00	0.15	0.20	7.50		
							30.00	64.66	**1940.00**
	Basic Rate	61.00							
	Area Weightage 6%	3.66							
	Total	64.66							
4	Removing B.S.Slab of drain and stacking.. Page No. 28/ Item No. 5.32/ PWD SR 2013-14	Sqm							
	Covering Slabs -		2	62.50		0.90	112.50		
							112.50		
	Missed Qty 15%						16.88		
	Basic Rate	46.40					**95.63**	49.18	4703.00
	Area Weightage 6%	2.78							
	Total	49.18							

5	Refixing stone slabs of drains and pointing in CM (1:3). Page No. 28/ Item No. 5.33/ PWD SR 2013-14	Sqm							
	Qty vide item no-4						**95.63**	68.74	**6573.00**
	Basic Rate	64.85							
	Area Weightage 6%	3.89							
	Total	**68.74**							
6	Removing & resetting of footpath slab. Page No. 273/ Item No. 37.56/ PWD SR 2013-14	Sqm							
	Existing Coverimg Slabs		2	150.00	0.90		270.00		
							270.00	97.52	**26330.00**
	Basic Rate	92.00							
	Area Weightage 6%	5.52							
	Total	**97.52**							
7	Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick. Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	Sqm							
	Missed Qty 15% of Item no. 5						14.34		
							14.34	337.08	**4835.00**
	Basic Rate	318.00							
	Area Weightage 6%	19.08							
	Total	**337.08**							
8	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2013-14	Cum							
			2	125.00	0.30	0.15	11.25		
			2	125.00	0.15	0.15	5.63		
	For Culverts		2	5.00	1.80	0.15	2.70		
							19.58	4413.84	**86401.00**
	Basic Rate	4164.00							
	Area Weightage 6%	249.84							
	Total	4,413.84							

9	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2013-14	Cum							
	For Culverts		4	5.00	0.60	0.80	9.60		
							9.60	5208.84	**50005.00**
	Basic Rate	4914.00							
	Area Weightage 6%	294.84							
	Total	**5,208.84**							
12	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2013-14								
	For Culvert Covering	Cum	2	5.00	1.80	0.23	4.14		
	For Culvert Coping		4	5.00	0.60	0.10	1.20		
	For approach		4	5.00	0.60	0.15	1.80		
							7.14	5535.32	**39522.00**
	Basic Rate	5222.00							
	Area Weightage 6%	313.32							
	Total	**5,535.32**							
13	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3. for TMT Bars Fe 415. Page No. 19/ Item No. 4.46/ PWD SR 2013-14								
		Qtls		5.34	x	75kgs	4.01		
							4.01	7244.04	**29012.00**
	Basic Rate	6834.00							
	Area Weightage 6%	410.04							
	Total	**7,244.04**							
14	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20cms** conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27.1/ PWD SR 2013-14	Sqm							

	For Road side		2	125.00		0.40	100.00		
							100.00	907.36	**90736.00**
	Basic Rate	856.00							
	Area Weightage 6%	51.36							
	Total	**907.36**							
15	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size ***40x15x20cms*** conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 28/ Item No. 5.27.2/ PWD SR 2013-14	Sqm							
	For Building Side		2	125.00		0.40	100.00		
	Basic Rate	757.00					**100.00**	802.42	**80242.00**
	Area Weightage 6%	45.42							
	Total	**802.42**							
16	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.6/ PWD SR 2013-14	Cum							
			4	125.00	0.20	0.05	5.00		
							5.00	4690.50	**23453.00**
	Basic Rate	4425.00							
	Area Weightage 6%	265.50							
	Total	**4,690.50**							
17	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			2	125.00	0.90		225.00		
	Missed Slabs		90	0.60	0.90		48.60		
	Approved Rate of Precast slab	1600.00							
	Data rate for precast slab of 100MM thick						**273.60**	1600.00	437760.00

18	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2013-14)								
	Qty Vide Item No 1+2	Cum					**116.50**		
							116.50	74.07	8629.00
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage 6%	4.19							
	Total	74.07							
							Total Rs.		900869
19	Add: 10% KRIDL charges + 1% Cess								99096
20	Miscelleneous and unforseen Charges								35
								Total	1000000
(Rupees Ten Lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

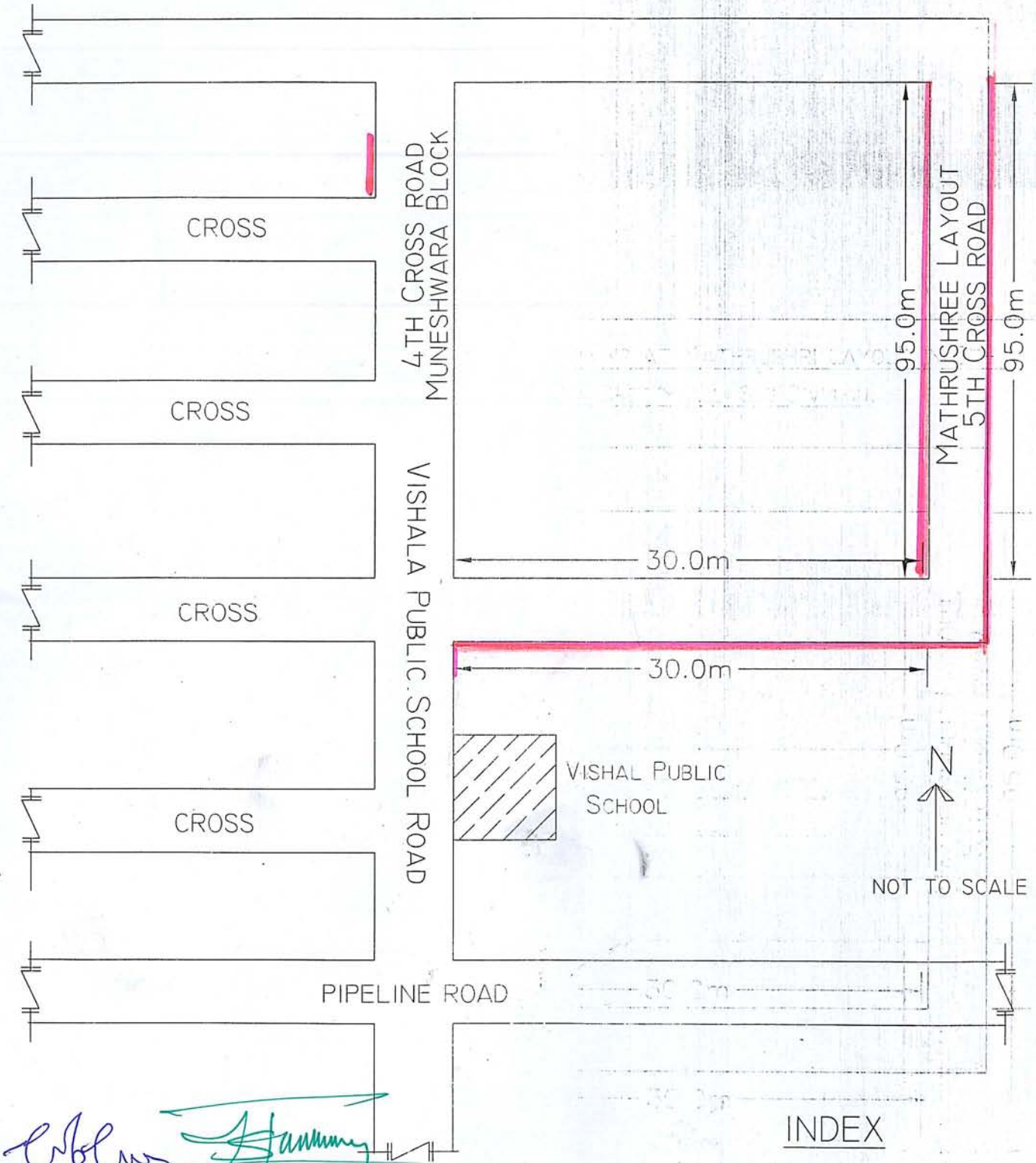
Executive Engineer
Dasarahalli Zone
BBMP

A/S

ನಂ. AC(DH)AS26/14-15 ದಿನಾಂಕ : 03/09/14
ರೂ. 10.00 Lakhs (Rupees Ten Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 17
Sl. No. 26.
ಅಪರ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. EE/DD/TS/23/14-15 ದಿನಾಂಕ : 02/9/2014
ರೂ. 10.00 Lakh (Rupees Ten lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

SKETCH SHOWING IMPROVEMENTS TO ROADS & DRAINS AT MATHRUSHRI LAYOUT IN 5TH CROSS ROAD L/S & R/S, IN WARD NO-13 IN SHETTYHALLI SUB DIVISION.



INDEX

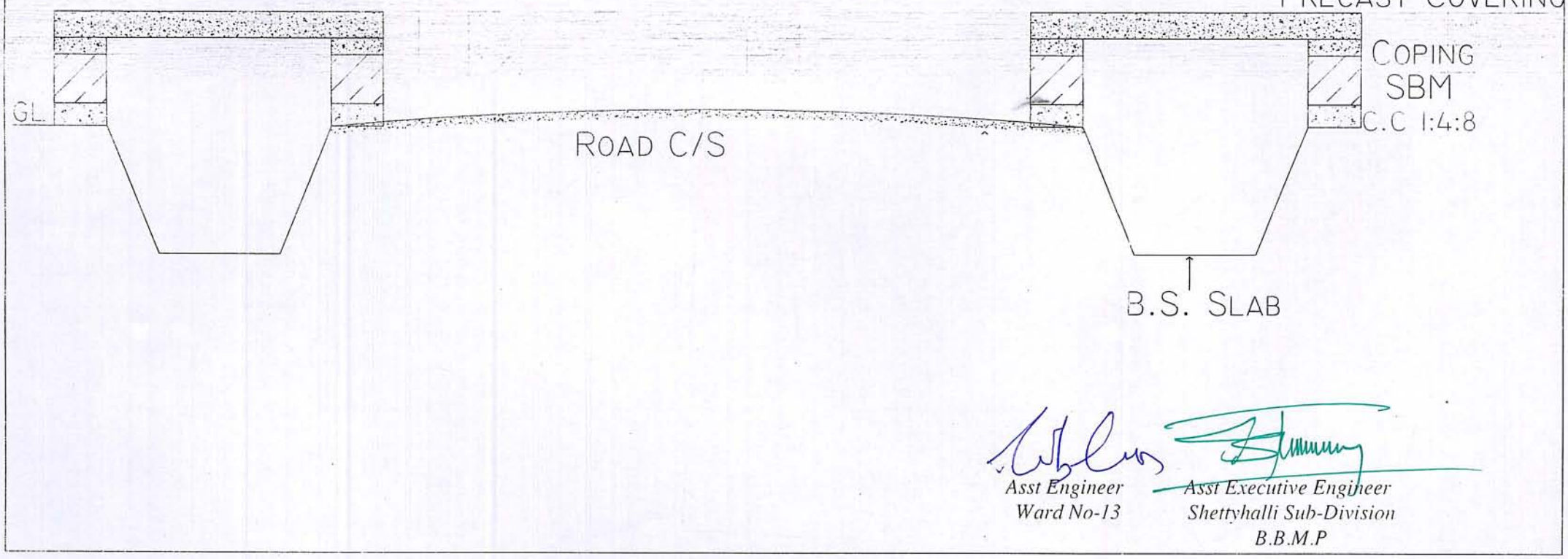
- pre cast slab

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P

Improvements to Roads & drains at Mathrushri layout in 5th cross road L/S & R/S, in ward-13, in SSD.

TYPICAL CROSS SECTION OF PRECAST FOOTPATH



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P